

Docket No.: 195617US0X

Serial No.: 09/935,429

LIST OF CLAIMS

Claims 1-30: (Cancelled).

31. (Previously Presented) A kit for refolding denatured protein, comprising (a) a cyclic saccharide cycloamylose having a degree of polymerization of 25 to 150 and (b) a polyoxyethylenic detergent.

32. (Previously Presented) The kit of Claim 31, wherein the polyoxyethylenic detergent is selected from the group consisting of polyoxyethylenesorbitan ester, polyoxyethylenedodecyl ether, polyoxyethyleneheptamethylhexyl ether, polyoxyethyleneisooctylphenyl ether, polyoxyethylenenonylphenyl ether, polyoxyethylene fatty acid ester and sucrose fatty acid ester.

33. (Previously Presented) The kit of Claim 31, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

34. (Previously Presented) The kit of Claim 31, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

35. (Previously Presented) A kit for refolding denatured protein, comprising (a) a cyclic saccharide cycloamylose having a polymerization degree of from 25 to 150 and (b) an ionic detergent.

Docket No.: 195617US0X

Serial No.: 09/935,429

Claim 36: (Cancelled).

37. (Previously Presented) The kit of Claim 35, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

38. (Previously Presented) The kit of Claim 35, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

39. (Previously Presented) A method of refolding a denatured protein, comprising:
contacting a polyoxyethylenic detergent with a denatured protein, followed by
contacting the protein with a cyclic saccharide cycloamylose having a degree of
polymerization of 25 to 150, to produce a folded protein.

40. (Previously Presented) The method of Claim 39, wherein the polyoxyethylenic detergent is selected from the group consisting of polyoxyethylenesorbitan ester, polyoxyethylenedodecyl ether, polyoxyethyleneheptamethylhexyl ether, polyoxyethyleneisooctylphenyl ether, polyoxyethylenenonylphenyl ether, polyoxyethylene fatty acid ester and sucrose fatty acid ester.

41. (Previously Presented) The method of Claim 39, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

Docket No.: 195617US0X

Serial No.: 09/935,429

42. (Previously Presented) The method of Claim 39, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

43. (Previously Presented) The method of Claim 39, wherein the folded protein has an α -helical structure.

44. (Previously Presented) The method of Claim 39, wherein the folded protein has an β -sheet structure.

45. (Previously Presented) The method of Claim 39, wherein the refolded protein has an intramolecular S-S bond.

46. (Previously Presented) A method of refolding a denatured protein, comprising:
contacting an ionic detergent with a denatured protein, followed by
contacting the protein with a cyclic saccharide cycloamylose having a degree of
polymerization of 25 to 150, to produce a folded protein.

Claim 47: (Cancelled).

48. (Previously Presented) The method of Claim 46, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

Docket No.: 195617US0X

Serial No.: 09/935,429

49. (Previously Presented) The method of Claim 46, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

50. (Previously Presented) The method of Claim 46, wherein the folded protein has an α -helical structure.

51. (Previously Presented) The method of Claim 46, wherein the folded protein has an β -sheet structure.

52. (Previously Presented) The method of Claim 46, wherein the refolded protein has an intramolecular S-S bond.

53. (Previously Presented) The kit of Claim 35, wherein the ionic detergent is selected from the group consisting of cetyltrimethylammonium bromide, sodium dodecyl sulfate, sodium deoxycholate, 3-[(3-colamidopropyl)dimethylamino]-1-propane sulfonic acid, hexadecyltrimethylammonium bromide and myristylsulfobetaine.

54. (Previously Presented) The method of Claim 46, wherein the ionic detergent is selected from the group consisting of cetyltrimethylammonium bromide, sodium dodecyl sulfate, sodium deoxycholate, 3-[(3-colamidopropyl)dimethylamino]-1-propane sulfonic acid, hexadecyltrimethylammonium bromide and myristylsulfobetaine.